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1 [Detecting identity-based attacks in wireless networks using signalprints](#)

[Daniel B. Faria, David R. Cheriton](#)

[September 2006 WiSe '06: Proceedings of the 5th ACM workshop on Wireless security](#)

Publisher: ACM

Full text available: [PDF \(327.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 113, Downloads (12 Months): 552, Citation Count: 13

Wireless networks are vulnerable to many identity-based attacks in which a malicious device uses forged MAC addresses to masquerade as a specific client or to create multiple illegitimate identities. For example, several link-layer services in IEEE 802.11 ...

Keywords: IEEE 802.11., denial-of-service attacks, location-based services, security, wireless LANs

2 [The implementation of an SVP many-core processor and the evaluation of its memory architecture](#)

[Chris Jesshope, Mike Lankamp, Li Zhang](#)

July [SI GARCH Computer Architecture News](#), Volume 37 Issue 2 2009

Publisher: ACM

Full text available: [PDF \(918.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 11, Citation Count: 0

Many-core processor architectures require scalable solutions that reflect the locality and power constraints of future generations of silicon technology. This paper presents a many-core processor that supports an abstract model of concurrency, based ...

3 Enhancing the security of corporate Wi-Fi networks using DAIR

Paramvir Bahl, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Manpreet Singh, Alec Wolman, Brian Zill

June **MobiSys '06**: Proceedings of the 4th international conference on Mobile systems, 2006 applications and services

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (302.26 KB)

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We present a framework for monitoring enterprise wireless networks using desktop infrastructure. The framework is called DAIR, which is short for *Dense Array of Inexpensive Radios*. We demonstrate that the DAIR framework is useful for detecting ...

Keywords: 802.11, denial-of-service, rogue AP, security, wireless networks

4 Digital liberties: free speech and privacy under attack in cyberspace

Paramvir Bahl, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Manpreet Singh, Alec Wolman, Brian Zill

May **Crossroads**, Volume 1 Issue 4
1995

Publisher: ACM  [Request Permissions](#)

Full text available:  [HTML](#) (38.49 KB),  [PDF](#) (46.52 KB)

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Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 14, Citation Count: 0

5 Secure rural supply chain management using low cost paper watermarking

Paramvir Bahl, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Manpreet Singh, Alec Wolman, Brian Zill

August **NSDR '08**: Proceedings of the second ACM SIGCOMM workshop on Networked systems for developing regions

Publisher: ACM

Full text available:  [PDF](#) (315.26 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 95, Citation Count: 0

Supply chain systems in rural developing regions are extremely fragile and are vulnerable to a wide range of security threats including theft, fraud and counterfeit goods. In this paper, we propose the design of a secure, low cost supply chain management ...

Keywords: paper authentication, paper speckle, supply chain

6 Reducing the harmful effects of last-level cache polluters with an OS-level, software-only pollute buffer

Paramvir Bahl, Ranveer Chandra, Jitendra Padhye, Lenin Ravindranath, Manpreet Singh, Alec Wolman, Brian Zill

November **MICRO '08: Proceedings of the 2008 41st IEEE/ ACM International Symposium on Microarchitecture - Volume 00**, Volume 00

Publisher: IEEE Computer Society

Full text available:  [PDF](#) (681.23 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 57, Citation Count: 2

It is well recognized that LRU cache-line replacement can be ineffective for applications with large working sets or non-localized memory access patterns. Specifically, in last-level processor caches, LRU can cause cache pollution by inserting non-reuseable ...

7 Adaptive brain interfaces



José del R. Millán

March 2003 **Communications of the ACM**, Volume 46 Issue 3

Publisher: ACM

Full text available: [HTML](#) (33.14 KB), [PDF](#) (227.01 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 144, Citation Count: 6

Users interact with physical devices through nothing more than the voluntary control of their own mental activity.

8 Designing a Safe Network Using Firewalls

Paul Wouters

August 1997 **Linux Journal**, Volume 1997 Issue 40es

Publisher: Specialized Systems Consultants, Inc.

Full text available: [HTML](#) (26.47 KB)

Additional Information: [full citation](#), [abstract](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 113, Citation Count: 1

It is by no means necessary to purchase specialized firewall hardware or even software. A Linux server--running on a \$400 386 PC-- provides as much protection as most commercial firewalls, with much greater flexibility and eas

9 ATLAS: a chip-multiprocessor with transactional memory support

Niuguna Njoroge, Jared Casper, Sewook Wee, Yuriy Testyar, Daxia Ge, Christos Kozyrakis, Kunle Olukotun

April **DATE '07**: Proceedings of the conference on Design, automation and test in 2007 Europe

Publisher: EDA Consortium

Full text available: [PDF](#) (754.55 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 70, Citation Count: 2

Chip-multiprocessors are quickly becoming popular in embedded systems. However, the practical success of CMPs strongly depends on addressing the difficulty of multithreaded application development for such systems. Transactional Memory (TM) promises ...

10 Using general-purpose programming languages for FPGA design



Brad L. Hutchings, Brent E. Nelson

June **DAC '00**: Proceedings of the 37th Annual Design Automation Conference 2000

Publisher: ACM

Full text available: [PDF](#) (287.38 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 21, Citation Count: 9

General-purpose programming languages (GPL) are effective vehicles for FPGA design because they are easy to use, extensible, widely available, and can be used to describe both the hardware and software aspects of a design. The strengths of the GPL approach ...

11 Enhancing location privacy in wireless LAN through disposable interface identifiers: a quantitative analysis

 Marco Gruteser, Dirk Grunwald

September 2003 **WMASH '03**: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM 

Full text available:  Pdf (410.84 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 37, Citation Count: 13

The recent proliferation of wireless local area networks (WLAN) has introduced new *location* privacy risks. An adversary controlling several access points could triangulate a client's position. In addition, interface identifiers uniquely identify ...

Keywords: interface identifiers, location privacy, wireless LAN

12 Automatic discovery of technology trends from patent text

 Youngho Kim, Yingshi Tian, Yoonjae Jeong, Ryu Jhee, Sung-Hyon Myaeng

March 2009 **SAC '09**: Proceedings of the 2009 ACM symposium on Applied Computing

Publisher: ACM 

Full text available:  Pdf (416.48 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 54, Citation Count: 0

Patent text is a rich source to discover technological progresses, useful to understand the trend and forecast upcoming advances. For the importance in mind, several researchers have attempted textual-data mining from patent documents. However, previous ...

Keywords: information extraction, patent, text mining, trend

13 Flexible frameworks for medical multimedia

 Michael W. Halle, Ron Kikinis

October 2004 **MULTIMEDIA '04**: Proceedings of the 12th annual ACM international conference on Multimedia

Publisher: ACM 

Full text available:  Pdf (1.50 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 113, Citation Count: 1

The next generation of medical systems will integrate multimodality and multimedia data from a variety of sources to aid individual physicians in providing the best treatment and care for their patients and to help researchers understand patterns of disease ...

Keywords: BIRN, RDF, feature extraction, image guided therapy, medical imaging, multimedia, neurosurgery, ontologies, publish and subscribe systems, search, segmentation, semantic web

14 [Virtualizing the data plane through source code merging](#) [Eric Keller, Evan Green](#)August **PRESTO '08**: Proceedings of the ACM workshop on Programmable routers for 2008 extensible services of tomorrow**Publisher:** ACM Full text available:  [PDF \(153.78 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 74, Citation Count: 2

Virtualization is a key technology that enables multiple research groups to test new protocols simultaneously on the same physical network and also allows service providers to incrementally add new services. In this paper we focus on virtualization of ...

Keywords: architecture, routing, virtual router, virtualization**15** [Interval constraint solving for camera control and motion planning](#) [Frédéric Benhamou, Frédéric Goualard, Éric Languénou, Marc Christie](#)October 2004 **Transactions on Computational Logic (TOCL)**, Volume 5 Issue 4**Publisher:** ACM Full text available:  [PDF \(1.68 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 73, Citation Count: 7

Many problems in robust control and motion planning can be reduced to either finding a sound approximation of the solution space determined by a set of nonlinear inequalities, or to the "guaranteed tuning problem" as defined by Jaulin and Walter, which ...

Keywords: Camera control, inner approximation, interval constraint, universal quantifier**16** [Delayed password disclosure](#) [Markus Jakobsson, Steven Myers](#)November **DIM '07**: Proceedings of the 2007 ACM workshop on Digital identity 2007 management**Publisher:** ACM Full text available:  [PDF \(270.28 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 95, Citation Count: 2

We present a new authentication protocol called Delayed Password Disclosure. Based on the traditional user name and password paradigm, the protocol's goal is aimed at reducing the effectiveness of phishing/spoofing attacks that are becoming increasingly ...

Keywords: authentication, decisional & static diffie-hellman assumption, oblivious transfer, password authenticated key exchange, phishing, user interfaces

17 PEBBLES: A Personal Technology for Meeting Educational, Social and Emotional Needs of Hospitalised Children

Patrice L. (Tamar) Weiss, Carolyn P. Whiteley, Jutta Treviranus, Deborah I. Fels
January 2001 **Personal and Ubiquitous Computing**, Volume 5 Issue 3

Publisher: Springer-Verlag

Full text available:  Pdf (203.08 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 42, Citation Count: 3

Wayne Gretzky's PEBBLES™ (Providing Education By Bringing Learning Environments to Students) is a unique example of a personal technology, one in which PC-based video-conferencing is used to make a real-time link between a hospitalised ...

18 AGQ: a model of student question generation supported by one-on-one educational computing

Sung-Bin Chang, Hsien-Ming Huang, Kuan-Jung Tung, Tak-Wai Chan

May 2005 **CSCL '05**: Proceedings of th 2005 conference on Computer support for collaborative learning: learning 2005: the next 10 years!

Publisher: International Society of the Learning Sciences

Full text available:  Pdf (95.46 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Citation Count: 4

One-on-one educational computing refers to 1 student 1 computing device, which means every student in a group uses a digital learning device. In this paper, we present a model of student question generation called AGQ, which stands for "asking a good ...

Keywords: one-on-one educational computing, peer question generation, question posing

19 Functional design of a generalized vehicle flight simulation program

 Vilas D. Henderson

July 1966 **Communications of the ACM**, Volume 9 Issue 7

Publisher: ACM 

Full text available:  Pdf (654.43 KB)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 23, Citation Count: 0

20 A blind person's interactions with technology

 Kristen Shinohara, Josh Tenenberg

August 2009 **Communications of the ACM**, Volume 52 Issue 8

Publisher: ACM 

Additional Information: [full](#)

Full text available:  Digital Edition,  Html (51.56 KB),  Pdf (5.88 MB)

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Meaning can be as important as usability in the design of technology.

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